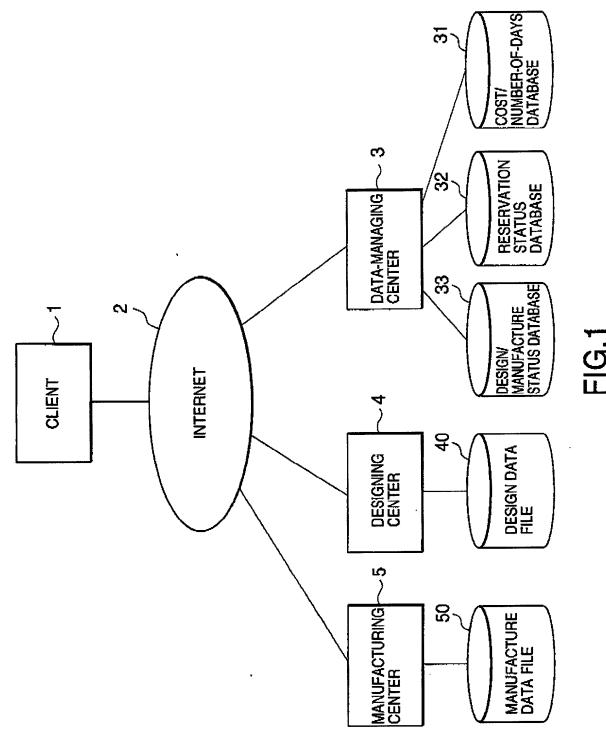
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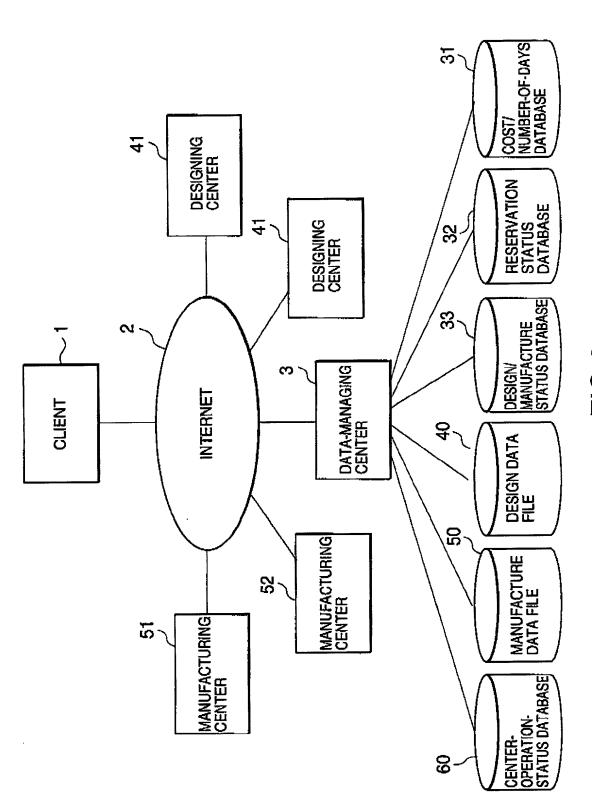
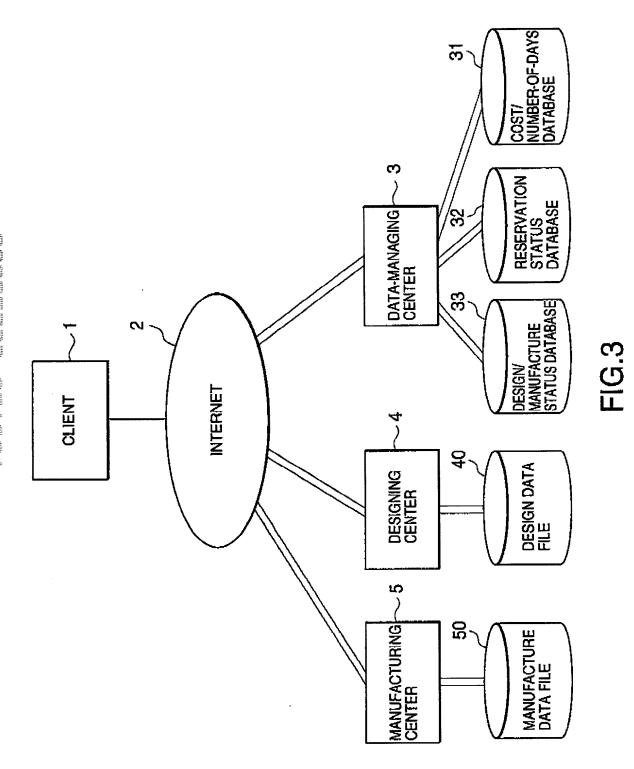


FIG.2

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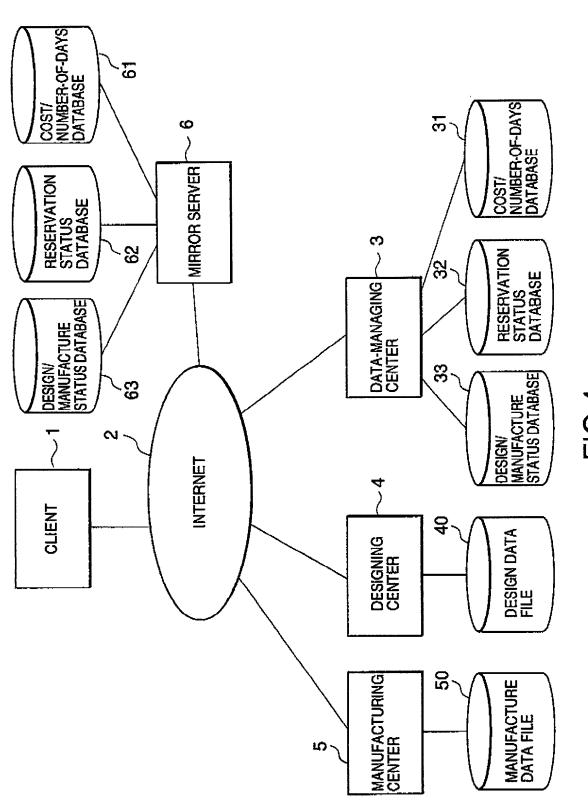


FIG.4

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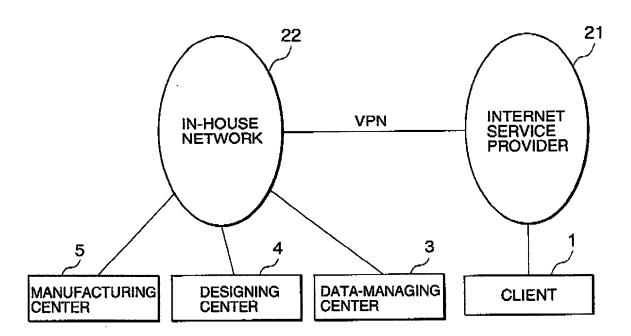


FIG.5

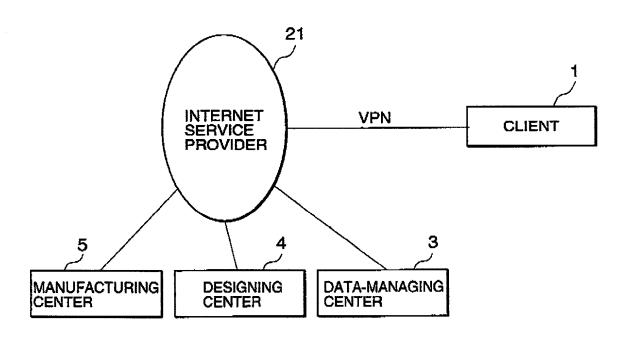


FIG.6

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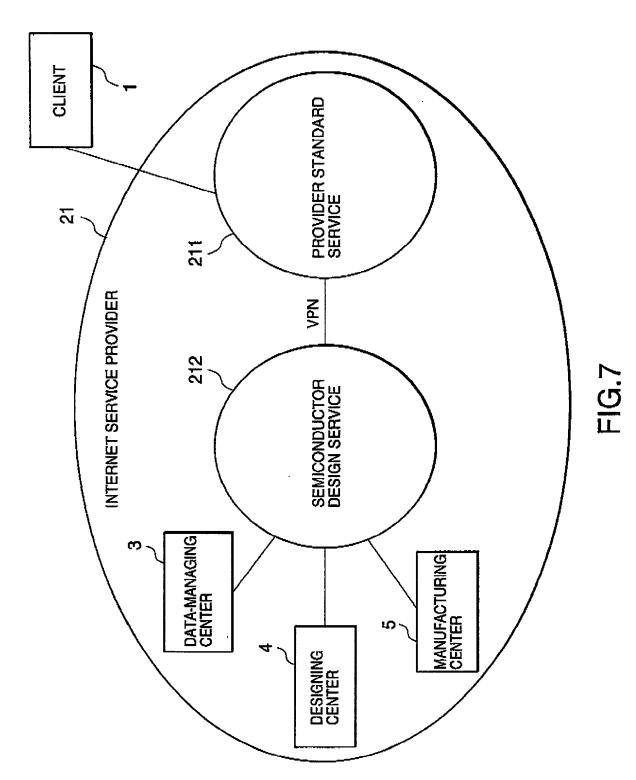
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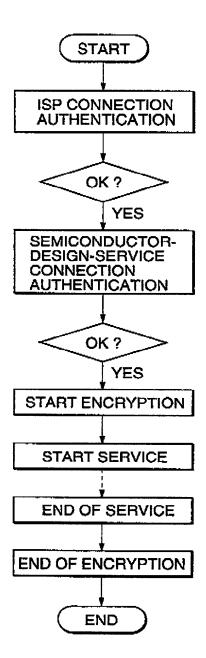
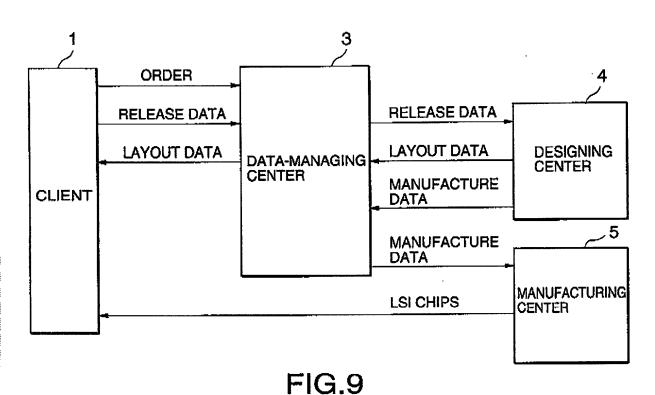


FIG.8

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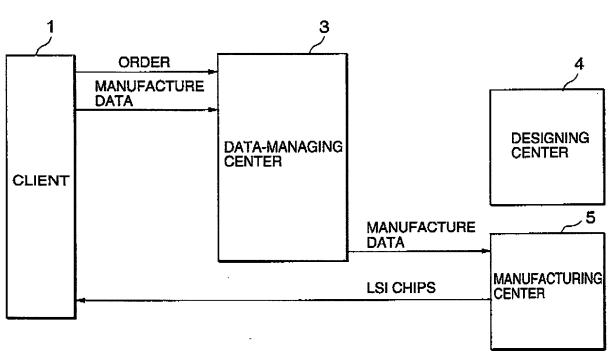
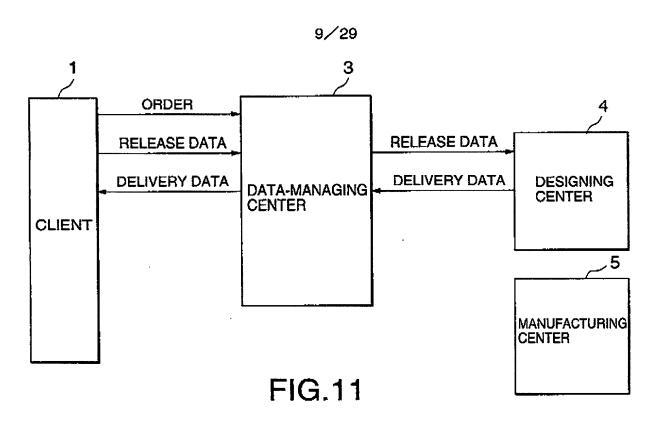
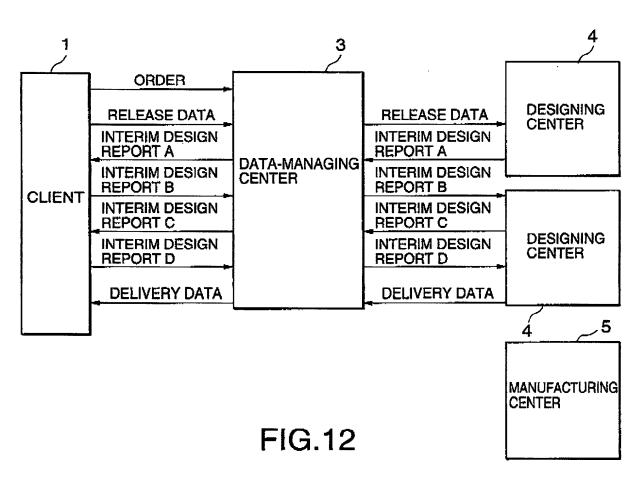


FIG.10

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COST/NUMBER-OF-DAYS DATABASE (EXAMPLE)

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NUMBER OF DAYS REQUIRED 750,000 14 OR LESS 2,000,000 20 OR LESS 4,000,000 | 30 OR LESS LOWEST (L) MCL (YEN) NUMBER OF DAYS REQUIRED SECOND LOWEST (St.) 23 2 8 MALL 2,500,000 4,500,000 9,000,000 COST (YEN) NUMBER OF DAYS REQUIRED REGULAR (R) 9 7 S **r**~ 10,000,000 1,000,000 3,000,000 5,000,000 COST (YEN) NUMBER OF DAYS REQUIRED SECOND-HIGHEST 9 N Ŋ က (SH) 1,500,000 4,000,000 15,000,000 7,000,000 COST (YEN) NUMBER OF DAYS REQUIRED HIGHEST (H) Ø N 2,000,000 10,000,000 6,000,000 OST (YEN) URGENCY PRODUCT TYPE ⋖ $\boldsymbol{\omega}$ ပ

FIG.13

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RESERVATION DATABASE (EXAMPLE)

I.

PRODUCT	PRODUCT COURSE			RESE	RESERVATION STATUS	TATUS				
TYPE	(URGENCY)	4/1	4/2	4/3	4/4	4/5	4/6	4/7	4/8	
	Ŧ	0	1	0	0	ŀ	0	1		
	TS.	+- -	0	ŀ	2	1	0	2	1	
⋖	Z	0	0	7	0	0	į	2	3	
	SF				¥	NULL				
	7	0	1	ŀ	0	ļ	2	ļ	2	
	Н	0	0	0	0	٥	0	0	•	
	HS.	0	0	ŀ	0	0	•	0	0	
Ω	Z	0	0	0	0	٥	0	0	0	
	SL	0	0	0	,	Q	0	1	0	
	7	0	0	0	0	0	-	.	0	
	I	-	0	0	ļ	0	-	0	ļ	
	돐	0	1	1	0	ŀ	-	0	ļ	
ပ	Z	0	0	0	0	0	0	ļ	7	
	SL	0	0	0	0	0	0	٦	0	
	j	0	0	0	0	0	0	0		
	Ξ				Z	NOLL				
	돐	0	0	1	0	0	0	ŀ	0	
۵	z	0	0	0	0	1		0	7	
	SL	0	0	0	1	0	0	0	ļ	
	Γ				N	NULL				
	-	-	-	-		_	-	_		

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DESIGN/MANUFACTURE STATUS DATABASE (EXAMPLE)

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		=		:	. :	:	•
	B2 .	LED COMPLETIO Date of Release					•
TURE			aj1		<u>ස</u> වැ	aj4	:
MANUFACTURE	B1	COMPLETIO Date of Release	ai1				:
W	STEP	SCHEDULEI OATE OF RELEASE	ah1		ah3	ah4	:
		HESPONSBIE SCHEDULED/COMPLETIONSCHEDL Wanufacturing)date of Date of Date of Center Release Release	٨.		5	Y2	•
1		= -	:		:	:	
	42	SCHEOULED COLAPLETIO DATE OF DATE OF RELEASE RELEASE	ag1		aga		:
	STEP A2	SCHEOULEC DATE OF RELEASE	af1	af2	af3	af4	:
DESIGN	11	LED COMPLETION Date of Pelease	ae1	ae2	ae3		:
	STEP A1	SCHEDUI Date of Release	adī	ad2	ad3	ad4	*
		CLENT NAME TYPE COURSE DATE TYPE RELEASE RELEASE RELEASE CENTER	×	X2	X2	×	:
SE		COMPLETION DATE OF RELEASE	act	ac2	ac3		:
RELEAS		SCHEDULED DATE OF RELEASE	ab1	ab2	ab3	ab4	:
		MATION	LOGIC Design Data	LOGIC DESIGN DOC.	CIROUIT DESIGN DATA	LOGIC DESIGN DATA	•
		RESERVATION Date	aa1	aa2	aa3	884	:
ORDER		COURSE	Z	Z	ر	НS	•
ORI		PRODUCT TYPE	∢	a	၁	В	•
		PRODUCT	ABC	AAA2 EFG	ЕГН	AAA4 KLM	:
		CLIENT	AAA1	AAA2	AAA3	AAA4	:

FIG. 15

CENTER-OPERATION-STATUS DATABASE (EXAMPLE)

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				1:	3/29			
	:	:		:	:	:		•
	OPERATION NUMBER OF RATIO RESOURCES (ARTO)	40.0%	36.7%	•	46.7%	30.0%	35.0%	:
MAY.	NUMBER OF Resources	40	30	•••	30	50	20	•
	NUMBER OF OPERATING RESOURCES (NUMBER OF RESSERVATIONS	16	11	• • •	14	မ	7	•
	OPERATION Ratio (Heservation Ratio)	90.0%	86.7%	•••	86.7%	75.0%	75.0%	: :
APR.	OPERATION NUMBER OF RATIO RESOURCES PATIO)	40	30	***	30	20	20	•
	NUMBER OF OPERATING TON RESOURCES (MUMBER OF RESERVATIONS)	36	26	• • •	26	15	15	:
	舌	87.5%	%0:06	:	100.0%	100.0%		•
MAR.	NUMBER OF RESOURCES	40	30	፧	30	20		:
	NUMBER OF OPERATING RESOURCES	35	27	•••	30	20		:
	OPERATION RATIO	100.0%	%0.0%	:	%2'96	100.0%		:
FEB.	NUMBER OF RESOURCES	30	30	፧	30	20	:	:
	NUMBEROF OPERATING RESOURCES	30	23	•	56	20		:
	OPERATION RATIO	93.3%	86.7%	:	100.0%	95.0%		:
JAN.	NUMBER OF RESOUPCES	30	30	:	30	20		
	NUMBER OF NUMBER OF OPERATION NUMBER OF OPERATION NUMBER OF NUMBER OF OPERATION OPERATING RESOURCES RESOUR	28	26	:	30	19		•
	NAME OF CENTER	DESIGNING CENTER X1	DESIGNING CENTER X2	:	MANUFAC TURING CENTER Y1	MANUFAC TURINS CENTER Y2	MANUFAC TURING CENTER Y2	•

FIG. 16

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400,000 1,200,000

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LOWEST (L)

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CANCELATION DATABASE (EXAMPLE) SECOND HIGHEST REGULAR (R) SECOND LOWEST LO		လ				-	∴ ⊐	
ANCELATION DATABASE (EXAMPLE) ANCELATION DATABASE (EXAMPLE) (SH) (SH) (SH) (SH) (SH) (SH) (SH) (S		COWES:	WITHIN 10 DAYS	80,000	200,000	400,000	NOFF	
ANCELATION DATABASE (EXAMPLE) ANCELATION DATABASE (EXAMPLE) (SH) (SH) (SH) (SH) (SH) (SH) (SH) (S		LOWEST 3L)	WITHIN TODAY	T		1,350,000	2,700,000	
ANCELATION DATABASE (EXAMPLE) JRGENCY HIGHEST (H) SECOND HIGHEST WITHIN WITHIN WITHIN WITHIN WITHIN SECOND 1,000,000 300,000 1,600,000 B 1,800,000 3,000,000 1,400,000 2,800,000 C 3,000,000 5,000,000 1,400,000 5,000,000 1		SECOND (8	WITHIN 7 DAYS					
ANCELATION DATABASE (EXAMPLE) JRGENCY HIGHEST (H) SECOND HIGHEST WITHIN WITHIN WITHIN WITHIN WITHIN SECOND 1,000,000 300,000 1,600,000 B 1,800,000 3,000,000 1,400,000 2,800,000 C 3,000,000 5,000,000 1,400,000 5,000,000 1		AR (R)	WITHIN TODAY			1,500,000	3,000,000	
ANCELATION DATABASE (E. J. P.GENCY HIGHEST (H) WITHIN WITHIN WITHIN 2 DAYS TODAY A 600,000 1,000,000 B 1,800,000 3,000,000 C 3,000,000 5,000,000 D NULL		REGUE	WITHIN 7 DAYS	100,000			1,000,000	
ANCELATION DATABASE (E. J. P.GENCY HIGHEST (H) WITHIN WITHIN WITHIN 2 DAYS TODAY A 600,000 1,000,000 B 1,800,000 3,000,000 C 3,000,000 5,000,000 D NULL		HIGHEST iH)	WITHIN TODAY		1,600,000	2,800,000	5,000,000	
ANOELA ANOELA CIC INGENCY CIC C C C C C C C C C C C C C C C C C	EXAMPLE)	SECOND (S	WITHIN 5 DAYS			1,400,000	3,000,000	
ANOELA ANOELA CIC INGENCY CIC C C C C C C C C C C C C C C C C C	rabase (e	ST (H)	WITHIN TODAY	1,000,000	3,000,000	5,000,000	JLL	
CANCEL CANCEL PRODUCT	ATION DA	зној н	WITHIN 2 DAYS	600,000	1,800,000	3,000,000	N	
F	CANCEL	URGENCY	PRODUCT	A	8	ပ	O	•

(COST UNIT: YEN)

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INSURANCE DATABASE (EXAMPLE)

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LOWEST (L)	CANCELLATION- INSURANCE PREMIUM	පදුර	NALL	252	11	•
LOWE	REDESIGN- CANCELLAT INSURANCE INSURANCE PREMIUM PREMIUM	158	qşı	r5c	NALL	•
SECOND LOWEST (SL)	LATION REDESIGN: CANCELLATION- REDESIGN: CANCELLATION REDESIGN: CANCELLATION GANCELLATION CANCELLATION CANCEL	NULL	qpo	040	c4d	:
SECON	REDESIGN. CANCELL INSURANCE INSURANC PREMIUM	Ż	r4b	14c	r4d	••••
REGULAR (R)	CANCELLATION. INSURANCE PREMIUM	දටුන	qg2	၁၉၁	pg2	•
REGU	REDESIGN: CANCELLATI INSURANCE INSURANCE PREMIUM PREMIUM	r3a	r3b	යිය	r3d	•
SECOND HIGHEST (SH)	CANCELLATION- INSURANCE PREMIUM	c2a	qzo	ეცე	ргэ	••••
SECONE	REDESIGN CANCELLATI INSURANCE INSURANCE PREMIUM PREMIUM	r2a	qzı	120	r2d	•
HIGHEST (H)	CANCELLATION- INSURANCE PREMIUM	c1a	NULL	c1c	NULL	• • • •
HIGH	REDESIGN- CANCEL INSURANCE INSURAN PREMIUM PREMIU	rta	NULL	r1c	N	•
URGENCY	PRODUCT	¥	æ	ပ	۵	•

FIG. 18

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PER-CLIENT DESIGN-AND-MANUFACTURE HISTORICAL-LOG DATABASE (EXAMPLE)

L

				-	16/2	29				
		reservation Restriction			*	•••			•••	•
	MANUFACTURE	CANCELLATION PATIO	bi1	bi2	5i3	•••	ci1	ci2	•••	:
	MANUE	REDESIGN OCCUPATION PRESERVATION PROPERTION OCCUPATION PARTICULATION PARTICIPATION PAR	bh1	Shđ	euq	•••	ch1	ch2	•••	:
		NUMBER OF Redesign Officers	bg1	zbq	ega	:	cg1	cg2	:	:
TOTAL		reservation Restriction				* * *	*		•••	•
	ORDER	CANCELLATION RATIO	bf1	bf2	EJ4q	• • •	cf1	cf2	:	:
	0	redesign Occuprence Ratio	beí	Z9q	be3	•	teo.	ceS	:	:
		PRODUCT NUMBER OF REDESIGN TYPE REDESIGN OCCURREN ORDERS RATIO	bd1	bd2	pq3	•	SQ.	cd2	•••	:
		PRODUCT TYPE	A	В	ပ	:	¥	8	:	:
	CTURE	CANCELLATION		*					•••	:
	MANUFACTURE	NIBIBEROF Kanufactures Cancellation Type	bc1	bc2	ර්ය			cc2	• •	:
RODUCT	ORDER	CANCELLATION	*			•••			•••	:
CURRENT PRODUCT	JRO JRO	NUMBER OF REDESIGN OCCUPATENCES	bb1	2 99	ध्यव	• • •	cb1	cb2	•••	:
궁		CLIENT RAME TYPE DATE RESERVATION NUMBER OF DATE REDESIGN COURSERY	ba1	ba2	ba3	•••	cat	ca2	•••	:
		COURSE	SH	SL	z	•••	z	SF	•••	•
		PRODUCT TYPE	A	С	A	•••	Q	S	•••	:
		PRODUCT	ABA	AAA1 ABB	ABC	•••	EFG	нэз	• , •	:
		CLIENT		AAA1				AAA2		:

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REVISION-MANAGEMENT DATABASE (EXAMPLE)

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			CURRENT PRODUCT	TPRODU	걸					
			2000			ESIGN	DESIGN DATA PARAMETER	R		
CLIENT	PRODUCT NAME	PRODUCT TYPE	CLIENT PRODUCT PRODUCT NUMBER UF TYPE TYPE	NUMBER DELAY AREA OF GATES TIME SIZE	DELAY TIME	AREA	CONSUMPTION	NET	뵤	:
	A A.	<	revi	pa1	pb1	pc1	ļþd	pet	pf1	:
		ζ	rev2	pa2	pb2	pc2	pd2	pe2	pf2	:
AAA1			reví	pa2	pp3	pc3	Ерд	ged 1	EJd	•
	AAH	60	rev2	pa4	pp4	pc4	pd4	pe4	p14	:
			rev3	pa5	5qd	pc5	gpd	pe5	S)d	:
:	:		•	•	•	:	• • • •	;	::	:

FIG.20

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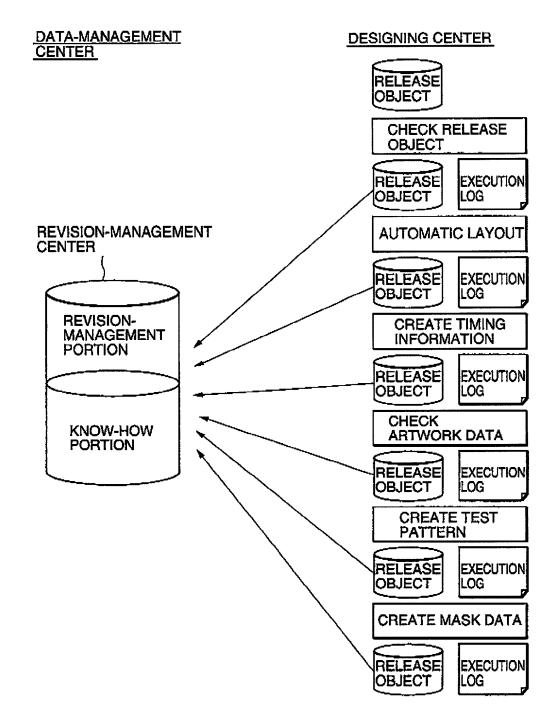


FIG.21

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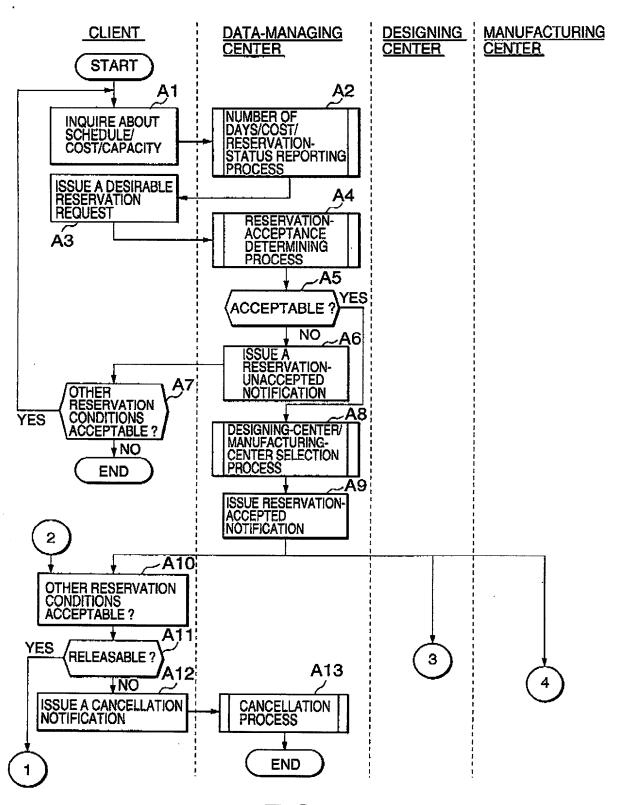


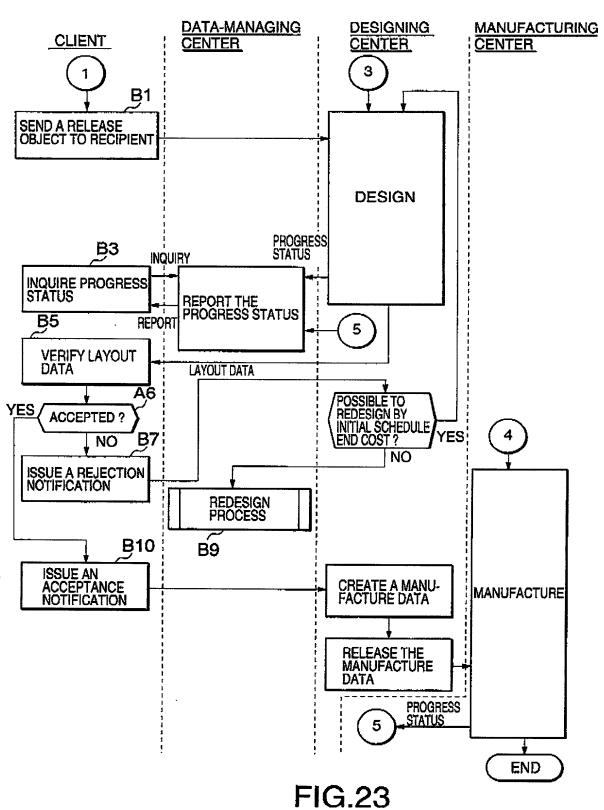
FIG.22

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DATA-MANAGING CENTER

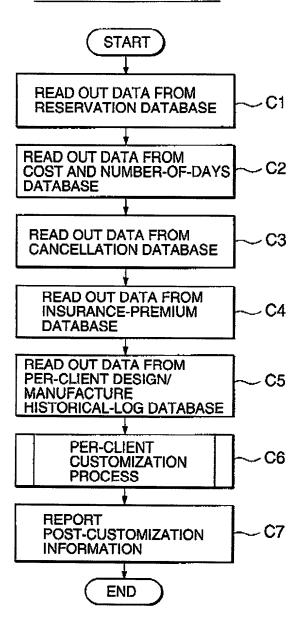


FIG.24

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-- D1

- D3

D4

- D5

DATA-MANAGING CENTER

START

FOR A CLIENT WHOSE RESERVATION IS RESTRICTED:

- * SET ACCEPTABLE RESERVATION QUANTITY TO ZERO FOR RESERVATION-RESTRICTION- TARGET PRODUCT TYPES IN SOME OR ALL OF THE COURSES
- * SET ACCEPTABLE RESERVATION QUANTITY TO ZERO FOR THOSE FOR WHICH THE PERIODS FROM CURRENT TIME TO RELEASE TIME ARE LONG

REDUCE THE FEES

FOR A CLIENT WHO MEETS THE FOLLOWING CONDITIONS D2

* TOTAL DESIGN ORDER QUANTITY, TOTAL

- * TOTAL DESIGN ONDER QUANTITY, TOTAL
 MANUFACTURE QUANTITY PRODUCT TYPE,
 MANUFACTURE QUANTITY FOR CURRENT
 PRODUCT TYPE, AND MANUFACTURE QUANTITY FOR
 CURRENT PRODUCT TYPE ARE LARGE;
- * TOTAL REDESIGN RATIO OR REDESIGN RATIO FOR CURRENT PRODUCT TYPE ARE LOW INCREASE FEES FOR A CLIENT WHO DOES NOT NOT MEET THE ABOVE CONDITIONS

INCREASE CANCELLATION CHARGE FOR A CLIENT WHO MEETS THE FOLLOWING CONDITIONS

* TOTAL CANCELLATION RATIO OR CANCELLATION RATIO FOR CURRENT PRODUCT IS HIGH

REDUCE FEES FOR A CLIENT WHO DOES NOT MEET THE ABOVE CONDITIONS

INCREASE CANCELLATION-INSURANCE PREMIUM FOR A CLIENT WHO MEETS THE FOLLOWING CONDITION

* TOTAL CANCELLATION RATIO OR CANCELLATION RATIO
FOR CURRENT PRODUCT IS HIGH
REDUCE CANCELLATION INSURANCE PREMIUM, FOR

REDUCE CANCELLATION-INSURANCE PREMIUM FOR A CLIENT WHO DOES NOT MEET THE ABOVE CONDITION

INCREASE REDESIGN INSURANCE PREMIUM FOR A CLIENT WHO MEETS THE FOLLOWING CONDITIONS

- * TOTAL REDESIGN OCCURRENCE RATIO IS HIGH
- * NUMBER OF TIMES OF CURRENT PRODUCT REDESIGNING IS LARGE

REDUCE REDESIGN INSURANCE PREMIUM FOR A CLINET WHO DOES NOT MEET THE ABOVE CONDITIONS

END

FIG.25

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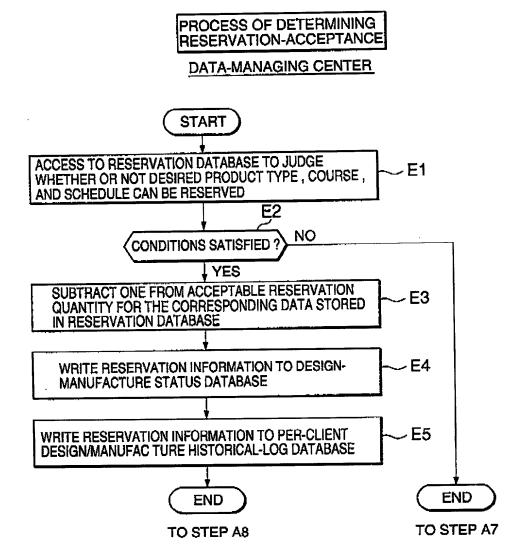


FIG.26

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PROCESS OF SELECTING DETERMINING-CENTER/MANUFACTURING-CENTER

DATA-MANAGING CENTER

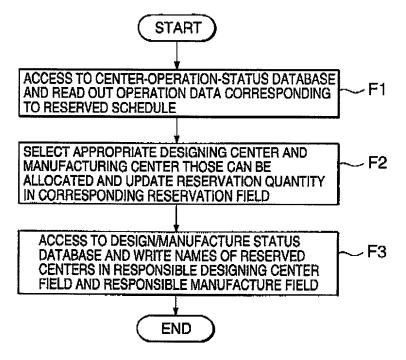


FIG.27

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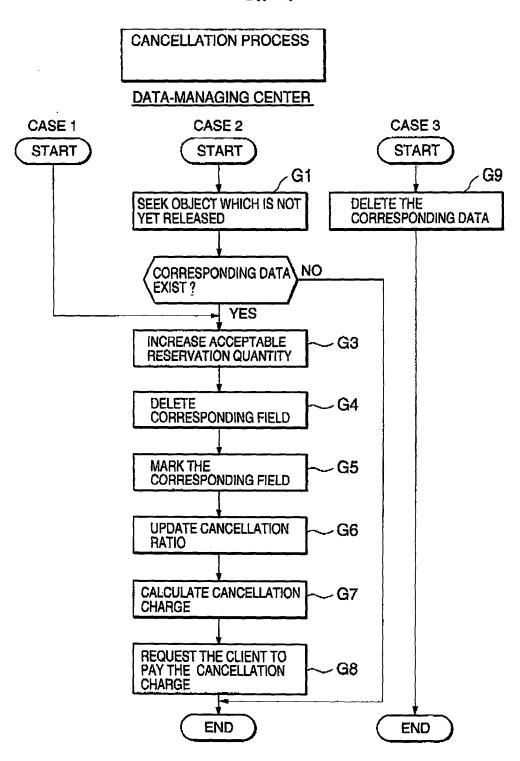


FIG.28

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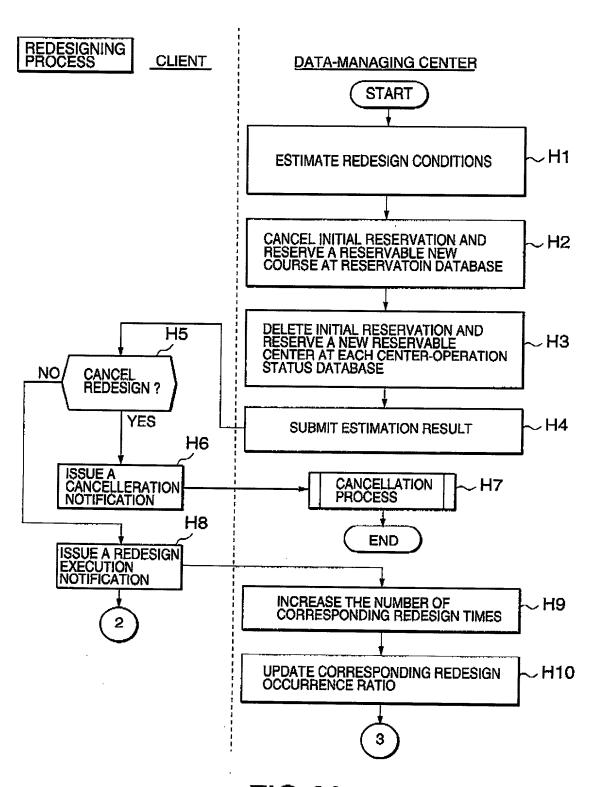
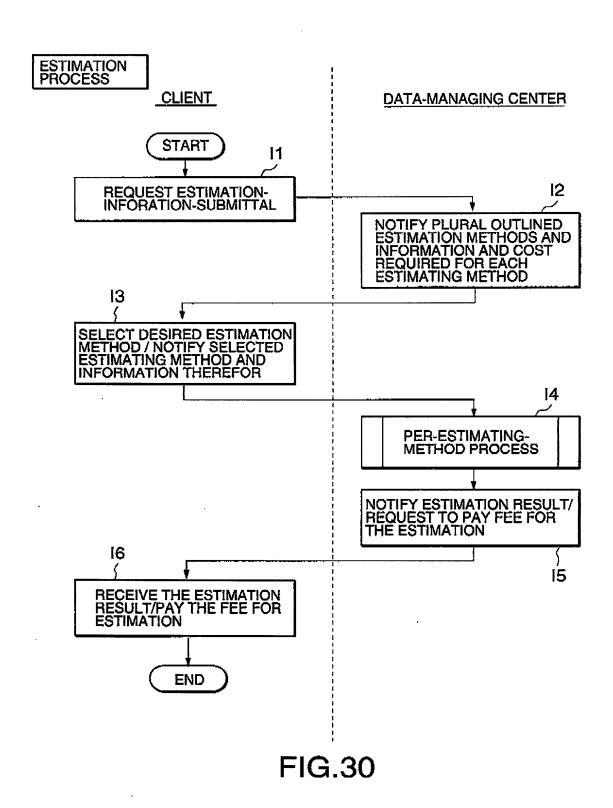


FIG.29

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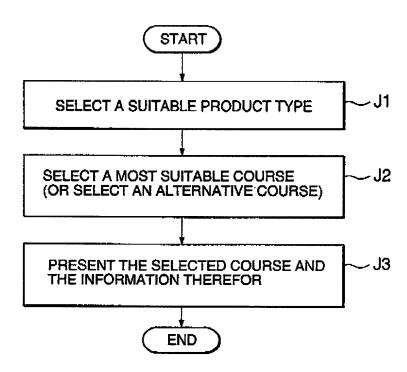


FIG.31

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DATA-MANAGING CENTER

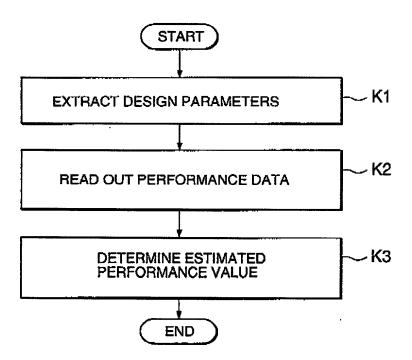


FIG.32